CURRICULUM VITAE
Dana LeBlanc, MD, MS

Current Title: **Assistant Professor**
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Education:

Undergraduate

1998-2002 Bachelor of Arts in Scientific Inquiry
Louisiana Scholars' College
Natchitoches, LA
Cum Laude

Graduate/Medical

2002-2005 Master of Science
Department of Microbiology, Immunology, and Parasitology
Louisiana State University Health Sciences Center
New Orleans, LA

2005-2009 Doctor of Medicine
Louisiana State University School of Medicine
New Orleans, LA

Residency

2009-2012 Department of Pediatrics
Louisiana State University Health Sciences Center
c/o Children's Hospital
New Orleans, LA

Post-Doctoral Fellowships

2012-2015 Division of Hematology Oncology
Department of Pediatrics
Louisiana State University Health Sciences Center
c/o Children's Hospital
New Orleans, LA

Certification:

October 2014 Board Certified General Pediatrics, American Board of Pediatrics

April 2017 Pending Board Certification of Pediatric Hematology Oncology, American Board of Pediatrics

Licensure:

July 2012 - present Professional license in Louisiana (MD.205388)

Academic, Professional, and Research Appointments:

July 2015-present Assistant Professor of Clinical Pediatrics

Department of Pediatrics
Division of Hematology Oncology
LSU Health Sciences Center
c/o Children's Hospital
New Orleans, LA

Membership in Professional Organizations:

2009-present Member, American Academy of Pediatrics
2012-2015 Training Member, Children's Oncology Group
2013-present Member, American Society of Pediatric Hematology Oncology
2013-present Member, American Society of Hematology
2015-present Full Member, Children's Oncology Group
2016-present Member, Foundation for Sickle Cell Disease Research
2017-present Member, ASPHO Communications Committee
2017-present Member, ASPHO Social Media Sub-Committee
2017-present Member, ASPHO Early Career Council

Awards and Honors:

Feb 2014 First Place Award – Oral Presentation
Southern Society for Clinical Investigation/Southern Society of Pediatric Research, Pediatric Clinical Case Symposium New Orleans, LA
Nov 2014 First Place Award – Oral Presentation
JMC-Louisiana Primary Immunodeficiency Network Forum and Symposium, Regional Meeting
New Orleans, LA

TEACHING EXPERIENCE AND RESPONSIBILITIES

Formal Course Responsibilities

2015 - present LSU Medical Student Clinical Forum Leader
Facilitated discussions regarding general pediatric topics to optimize student learning during the pediatrics clerkship. Time spent = 15 hours/yr
2015 – present Medical Student Observed History and Physical Preceptor
Observed medical student history taking and physical exams of pediatric patients to ensure competency during their pediatric clerkship. Provided feedback and constructive criticism to these students.
Time spent = 10 hours/yr
2015 – present Resident Quality Improvement Project Mentor
Assisted residents in the development and implementation of a quality improvement project involvement pain management of sickle cell VOC in the pediatric emergency department.
Time spent = 20 hours/yr

2015 – present Fellow Quality Improvement Project Mentor
Assisted fellow in the development and implementation of a quality improvement project involvement home pain management plans for sickle cell VOC.
Time spent = 20 hours/yr

Departmental/Interdisciplinary Teaching Conferences

2014–present Pediatric Intern Lecture Series
"Pain Management in Sickle Cell Disease"
"Clinical Presentation and Management of Sickle Cell Disease"

April 2015 Pediatric Grand Rounds
"The Affective Dimension of Pain in Sickle Cell Disease"

2015-present Pediatric Resident Lecture Series
"Sickle Cell Disease"

2015-present Hematology Oncology Fellow Lecture Series
"Sickle Cell Disease"
"Pain Management in Sickle Cell Disease"
"Hodgkin Lymphoma"
"Acquired Hemolytic Anemias"

2016-present Hospital Interdisciplinary Cancer Committee Lecture Series
"Hodgkin Lymphoma"
"Acute Myeloid Leukemia"

Creation of Enduring Teaching Materials

2013–present <u>Sickle Cell Disease Vaso-Occlusive Crisis Admission Order Set</u>
Orders were prepared following the NIH Sickle Cell Disease standard of care for VOC management. Orders are reviewed annually to ensure up to date VOC management practices.

2014-present <u>Venous Thromboembolism Risk Assessment Tool</u>
Nursing screening tool and physician treatment algorithm developed to identify and provide appropriate prophylaxis for patients at increased risk of developing hospital acquired VTE.

2015-present <u>Sickle Cell Disease Vaso-Occlusive Crisis Emergency Department Treatment Algorithm</u>
Treatment algorithm was developed for standardized and effective emergency department management of Sickle Cell Disease VOC. Currently in the implementation phase.

2015-present <u>Sickle Cell Disease Family Email Database</u>
Sickle Cell patient or parent email addresses are voluntarily collected to improve communication with our patients. Emailed topics include periodic educational newsletters and notifications of

upcoming educational events or available clinical studies. This is an ongoing email collection process.

2015-present Sickle Cell Disease Home Pain Plan
Patient-specific action plan for outpatient pain management was developed with ongoing distribution to our sickle cell patients and families.

RESEARCH AND SCHOLARSHIP

Grants and Contracts:

Funded:

Oct 2014-Dec 2015 Neuronal ERK/MAPK Signaling in a Mouse Model of Sickle Cell Disease Pain
Funding Agency: LSU Pediatrics Intramural Clinical and Translational Grant Program
Role: Principle Investigator
Co-Investigator: Scott Edwards, PhD
Award amount: $25,000

Pending funding

2017 Improvements in Quality of Care for Patients with Sickle Cell Disease
Funding Agency: US Department of Health and Human Services, Human Resources and Services Administration
Heartland and Southwest Sickle Cell Disease Network
Role: Co-Investigator
PI: Dr. Allison King, MD, MPH (Washington University; St. Louis, MO)
Submitted: January 2017

2017 Sickle Cell Moving to Healthy Adulthood (SMOOTH): Management of Care Transitions for Emerging Adults with Sickle Cell Disease
Funding Agency: Patient Centered Outcomes Research Institute (PCORI)
Role: Co-Investigator
PI: Lewis Hsu, MD; Victor Gordeuk, MD (University of Illinois; Chicago, IL)
Submitted: January 2017

Journal Publications:

Peer Reviewed

1. **LeBlanc DM**, Barousse MM, Fidel Jr, PL. Role for dendritic cells in immunoregulation during experimental vaginal candidiasis. Infection and Immunity. 2006 Jun; 74(6): 3213-21

2. AF Saltzman, JRR Gills, **DM LeBlanc**, MC Velez, RD Craver, CC Roth. Multimodal Management of a Pediatric Yolk Sac Tumor. Urology 85: 1186-1189, 2015.
3. **DM LeBlanc**, MA McGinn, CA Itoga, S Edwards. The Affective Dimension of Pain as a Risk Factor for Drug and Alcohol Addiction. Alcohol 2015 Dec; 49 (8): 803-9.

Non Peer-Reviewed

1. **D. LeBlanc,** N. Bartel, C. Velasco-Gonzales, L. Yu. The Utility of Peripheral Blood Cultures in Febrile Pediatric Oncology Patients with a Central Line. Cancer Report, Children's Hospital 2015

Published Abstracts:

1. **LeBlanc DM** and Fidel Jr. PL. An Immunoregulatory Role for Dendritic Cells in Vaginal Candidiasis. Abstract/Poster Presentation. American Society of Microbiology General Meeting; Atlanta, GA, 2005.
2. **D LeBlanc**, M Fletcher, P Prasad, L Simon, D Nuss, L Seybolt, MC Velez. Successful Management of Invasive Fungal Sinusitis in a Pediatric Leukemia Patient with Profound Neutropenia. Abstract/Poster Presentation. Southern Society for Pediatric Research, Regional Meeting; New Orleans, LA, February 2014
3. L Kashyup, **D LeBlanc**, A Alsaheel, R Gardner, J Maynard, SA Chalew. Sickle Cell Disease is Associated with Elevated Levels of Advanced Glycation Endproducts (AGEs). Abstract/Poster Presentation. Pediatric Academic Societies Annual Meeting; San Diego, CA, April 2015.
4. **D LeBlanc,** M Velez, R Gardner. Optimization of Pain Management Strategies in Children with Sickle Cell Disease and Vaso-occlusive Crises. American Society of Pediatric Hematology Oncology General Meeting; Phoenix, AZ, May 2015
5. **D LeBlanc,** N Bartel, C Velasco-Gonzales, L Yu. The Utility of Peripheral Blood Cultures in Febrile Pediatric Oncology Patients with a Central Line. Abstract/Poster Presentation. American Society of Pediatric Hematology Oncology General Meeting; Chicago, IL, May 2014.
6. **D LeBlanc**, N Bartel, C Velasco-Gonzales, L Yu. The Utility of Peripheral Blood Cultures in Febrile Pediatric Oncology Patients with a Central Line. Abstract/Poster Presentation. LSUHSC EQuIP Forum, May 2014.
7. **D LeBlanc**, N Bartel, C Velasco-Gonzales, L Yu. The Utility of Peripheral Blood Cultures in Febrile Pediatric Oncology Patients with a Central Line. Abstract/Poster Presentation. LSUHSC/Children's Hospital Department of Pediatrics Research Day, May 2014.
8. L Nuss, B Casey, A Prudhomme, **D LeBlanc**. Occult Epidural Abscess Presenting as Fever of Unknown Origin. Abstract/Poster Presentation. Southern Society for Pediatric Research, Regional Meeting; New Orleans, LA, February 2017
9. Survivorship Analysis for Pediatric Wilm's Tumor: A Children's Hospital of New Orleans Experience. L Raney and **D LeBlanc**. Oral Presentation. Southern Society for Pediatric Research, Regional Meeting; New Orleans, LA, February 2017

Scientific Presentations:

National

April 2017 "Reduced Glutamate Channel Phosphorylation in Pain-Related Brain Areas in a Transgenic Model of Sickle Cell Disease." American Society of Pediatric Hematology Oncology National Meeting; Montreal, Canada

Regional

Feb 2014 "Successful Management of Invasive Fungal Sinusitis in a Pediatric Leukemia Patient with Profound Neutropenia." Southern Society for Pediatric Research, Regional Meeting; New Orleans, LA

Nov 2014 "Role of Hematopoietic Stem Cell Transplant in the Management of X-linked Lymphoproliferative Disease" JMC-Louisiana Primary Immunodeficiency Network Forum and Symposium, Regional Meeting; New Orleans, LA

Local

July 2005 "An Immunoregulatory Role for Dendritic Cells in Vaginal Candidiasis." LSU Health Sciences Center School of Graduate Studies Research Day; New Orleans, LA

May 2013 "A QI Project to Improve Pain Management in Sickle Cell Vaso-Occlusive Crisis." LSU Health Sciences Center Education Quality Improvement Program Forum Presentation; New Orleans, LA

Invited Presentations and Seminars:

March 2015 "The Affective Dimension of Pain in Sickle Cell Disease." St. Jude Children's Research Hospital, Department of Hematology; Memphis, TN

SERVICE ACTIVITIES

University/Institutional Service

Hospital Committees:

2012–present Member, Cancer Committee, Children's Hospital New Orleans

2014-present Physician Lead, Venous Thromboembolism Prevention Team
Hospital Acquired Condition Sub-Committee
Children's Hospital New Orleans

2015-present Hematology Oncology Consultant, Pediatric Early Warning Signs (PEWS) Committee
Children's Hospital New Orleans

2017-present Member, Utilization Committee
Children's Hospital New Orleans

2017-present Member, Transfusion Committee
Children's Hospital New Orleans

Professional society committees

2017-present Member, ASPHO Communications Committee

2017-present Member, ASPHO Social Media Sub-Committee

2017-present Member, ASPHO Early Career Council
2017-present Member, ASPHO Hemoglobinopathies Special Interest Group; Sickle Cell Pain Sub-committee Leader
2017-present Member, ASPHO, Vascular Anomalies Special Interest Group

Clinical Service:
In-patient service activities
Attending Physician, Pediatric Hematology/Oncology Service (hematology/oncology/bone marrow transplants and critically ill patients)

- 10-12 weeks a year
- Teaching medical students and residents on rounds

Clinic coverage

- Four ½ day clinics a week for general hematology and oncology
- ½ day of clinic every 3rd Wednesday for Sickle Cell
- Share responsibilities of covering Children's Clinic in Baton Rouge, LA (3-4 times a year)

Call

- On call once every 4-6 weeks (approximately 10 weeks a year)

Consultation Service

- Every 4-6 weeks for one week at a time, offering consultation services in Pediatric Hematology/Oncology for inpatient, outpatient, Emergency Room and referring physicians

Community Service Activities:
2016-present Assistant Medical Director, Camp Challenge
-Week-long outdoor camp in Leesville, LA for patients and their siblings with cancer or blood disorders
2016-present Career Day Speaker, Ursuline Academy
-Discussed life as a Pediatric Hematologist Oncologist with high school girls

Revised: May 2017